



EAST ALTON, ILLINOIS 62024

EPA Region 5 Records Ctr.



382829

September 5, 1984

CERTIFIED MAIL

Ms. Jeanette Virgilio
Permit Section
Division of Land Pollution Control
Illinois Environmental Protection Agency
2200 Churchill Road
Springfield, IL 62706

Dear Ms. Virgilio:

This is in response to your telephone conversation with Wayne Galler on September 5, 1984, concerning the Brighton Landfill's application (dated August 28, 1984) to the IEPA for the renewal of three Waste Stream Authorization Numbers: 811968, 820871, 820868. These Authorization Numbers represent existing Supplemental Permits issued by the IEPA for three hazardous wastes generated by Olin's Main Plant Facility in East Alton, IL. (Generator ID No: 1190200002) and disposed of at the Brighton Landfill (Site No's 1178020001 and 1178020003) in Brighton, Illinois.

To comply with the Agency's Subtitle G Waste Disposal Rules concerning liquid hazardous wastes, Section 709.103, Olin had to re-apply to the Agency for continuation of the three Supplemental Permits. In accordance with Section 709.302 of the Subtitle G Rules, Signatures, Olin Corporation hereby authorizes the Brighton Landfill to act on its behalf regarding the submittal of the application for renewal of the three Supplemental Permits.

If you have any further questions concerning the August 28, 1984 application submitted to the Agency by the Brighton Landfill, on behalf of the Olin Corporation, please do not hesitate to contact me.

Very truly yours,

L. W. Maxson, Director
Energy and Environmental Services

WJG/jso

cc: Mr. Gene Evans
Brighton Landfill
1201 Dunn Road
St. Louis, MO. 63138

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SEP 10 1984

IEPA-DLPC

O L I N C O R P O R A T I O N

(FOR AGENCY USE L P S W C WASTE STREAM NUMBER
(AUTHORIZATION)

TRANS
CODE

DATE ENTERED

CARD
TYPE

WASTE CHARACTERISTICS

SEE ATTACHMENT II

This waste is: (check one) ☒ Hazardous ☐ Non-Hazardous as defined by U.S.E.P.A. in the Resource Conservation and Recovery Act, and regulations adopted thereunder, and the Illinois Pollution Control Board in Title 35 - Subtitle G, Part 721.

USEPA Hazardous

Waste Number(s) D008, K044, K046

Total Annual Waste Volume

50

Volume Units

1

Waste Phase

Transport Frequency

4

Waste Class
(Agency Use)

1 = CUBIC YARDS
2 = GALLONS

1 = SOLID
2 = SEMI-SOLID
3 = LIQUID
4 = GAS
5 = POWDERS

1 = ONE TIME

5 = MONTHLY

2 = DAILY

6 = BI-MONTHLY

3 = WEEKLY

7 = QUARTERLY

4 = BI-WEEKLY

8 = SEMI-ANNUALLY

COMPONENT NAME

PERCENT

COMPONENT NAME

PERCENT

1 SLUDGE

49.6

2 MOISTURE

5

3

4

5

6

Flash
Point

200 °F

Percent
Acidity

Percent
Alkalinity

4.7 pH

Total
Solids

49.60

Solid Waste:

Fire Hazard

Corrosive

Reactive

TOTAL (ppm)

REACTIVE (ppm)

Sulfide

0.3

Sulfide

Cyanide

1.4

Cyanide

Phenol

0.0

METAL

KEY

EP TOXICITY (ppm)

METAL

KEY

EP TOXICITY (ppm)

Ag

0.0

Hg

0.0

As

0.0

Ba

0.1

Pb

3390.0

Cd

0.0

Se

0.0

Cr

0.1

ENDRIN

1.5

LINDANE

1.6

METHOXYCHLOR

1.7

TOXAPHENE

1.8

2, 4 - D

1.9

2, 4, 5 - TP

2.0

Laboratory Name:

ENVIRON. ANALYSIS

Certification Number:

Reviewed by:
(Agency Use)

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 1039. Disclosure of this information is required under that Section. Failure to do so may prevent this form from being processed and could result in your application being denied. This form has been approved by the Forms Management Center.

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF LAND/NOISE POLLUTION CONTROL
SPECIAL WASTE STREAM APPLICATION

REFERENCE L-1529

CARD
TYPE

(FOR AGENCY USE) 1 P S N C WASTE STREAM NUMBER 820868 TRANS CODE 14 DATE ENTERED 8 1 1 20
(AUTHORIZATION)

This application is a: (check one) New Application X Renewal 820868 Waste Stream Number
This application is for waste: (check one) storage X disposal treatment

APPLICANT (SITE)

SITE ADDRESS

APPLICANT ADDRESS

Name: BRIGHTON LANDFILL #1

Name: BRIGHTON LANDFILL #1

Address: CRAIG LAKE RD

Address: PO BOX 607

MACOUPIN BRIGHTON IL 162012
(county) (community) (state) (zip)

MACOUPIN BRIGHTON IL 162012
(county) (community) (state) (zip)

9 0
6 7

1 IEPA
21 SITE CODE 1178020001

USEPA
SITE CODE ILD000667139

DISPOSAL METHOD CL

TREATMENT METHOD

STORAGE METHOD

Site Contact Name GENE EVANS

Telephone (618) 372-8426

The undersigned hereby makes application for a supplemental permit for the storage, treatment or disposal of this waste stream and certifies that the information referenced herein is true, correct and current.

Signature [Signature]
(Owner/Authorized Agent)

Signature [Signature]
(Operator/Authorized Agent)

DATE 08/28/84

FOR
AGENCY USE

STATUS

START DATE

EXPIRATION DATE

WASTE GENERATOR INFORMATION

PLANT ADDRESS

MAILING ADDRESS

Name: CLIN CORP.

Address: SHAMROCK ST.

MADISON E. ALTON IL 162024
(county) (community) (state) (zip)

Name: CLIN CORP.

Address: SHAMROCK ST.

MADISON E. ALTON IL 162024
(county) (community) (state) (zip)

Generator IEPA Code: 1190200002

Generator USEPA Code: ILD006271696

Generator Contact Name: M. F. REDINGTON

Telephone (618) 258-3394

Process/Operation Name: TRINITRORESORCINOL MFG.

Process Description: EXPLOSIVES-CONTAMINATED WASTEWATER IS DISCHARGED AT AN IN-GROUND SUMP WHERE SOLIDS SETTLE TO BOTTOM. SOLIDS ARE CHEMICALLY "KILLED" & REMOVED FOR DISPOSAL

Generic Waste Name: T-242 KILL SUMP SLUDGE RECEIVED

AUG 29 1984

ATTACHMENT III

Additional Information
Section 709.301 Application
for Liquid Hazardous Waste

Following is the additional information required by Section 709.301 of the Subtitle G rules, and not covered by the Special Waste Stream Application form:

- c) Name of treater of the waste:
Olin Corporation Main Plant Facility
- d) Treater's U.S. EPA ID No.: ILD006271696
- e) Olin Corporation, Main Plant Facility has Interim Status
- h) Sampling Plan - a copy of Olin's "Waste Analysis Plan" which was submitted to the IEPA is enclosed with this application.
- i) Description of treatment process:
Olin treats the T-242 Kill Sump Sludge by placing it into a metal dumpster which has perforations in the bottom to allow any free running liquid to drain by gravity back into the process sewer system at Bldg. T-242.
- j) As a result of Item i above, the sludge no longer contains free running liquid. Olin has sampled the sludge and subjected it to the test for liquids as outlined in Section 729.320 of the Agency's rules. Results of the test indicated no fluid portion of the sample dropping from the bottom of the paint filter after five minutes.

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1278 NO LINDBERGH
FLORISSANT, MO. 63033

820868

PHONE
1-314-921-4488

ENVIRONMENTAL
ANALYSIS
INC.

Date: 3-3-82
Report No. 9157
Lab No. 178-34
P.O. No. EA-SO-2246-

Mr. Wayne Galler
OLIN CORPORATION
Brass Division
E & E Engineering
East Alton, IL 62024

REPORT OF ANALYSIS

Subject: Analysis of waste samples performed in accordance with the Resource Conservation and Recovery Act 40 CFR; 261.21-Characteristic of Ignitability; 261.22-Characteristic of Corrosivity; 261.23-Characteristic of Reactivity; 261.24-Characteristic of EP Toxicity; and Standard Methods for the Examination of Water and Wastewater, 15th Edition, 1980.

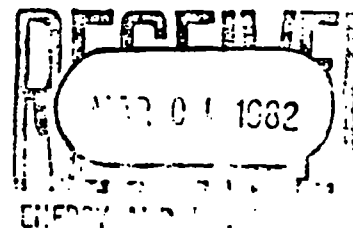
Sample Identification:

#1 - T-242 Kill Sump Sludge, taken on 1-30-82.

Results of Analysis:

	# 1
Ignitability, Test Method No. 261.21	
Flash Point (P-M), F	>200
Corrosivity, Test Method No. 261.22	
pH Value, 10% Solution	12.90
Alkalinity, ug CaCO ₃ /g	46580
Reactivity, Test Method No. 261.23	
Cyanide (total), ug CN/g	1.4
Cyanide (Free), mg CN/l	0.12
Sulfide, (sol.) mg S/l	<0.25

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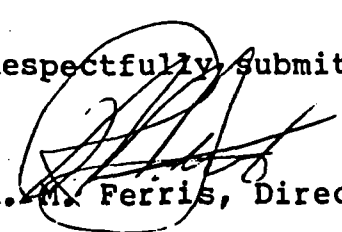


ENVIRONMENTAL
ANALYSIS
INC.

Results of Analysis:

	# 1 -----
EP Toxicity, Test Method No.	261.24
Arsenic, mg As/l	0.046
Barium, mg Ba/l	0.05
Cadmium, mg Cd/l	<0.001
Chromium (hex.), mg Cr/l	<0.12
Lead, mg Pb/l	3390
Mercury, mg Hg/l	0.0012
Selenium, mg Se/l	0.004
Silver, mg Ag/l	0.005
Copper, mg Cu/l	0.018
pH of Solution before TEP	12.10
pH of Solution after TEP	8.95
ml. 0.5 N HOAc/100g Sample	400
Tests on Sample as received	-
Phenols, ug Phenol/g	0.03
Total Solids, % w/w	49.60
Volatiles @ 100 C, % w/w	50.40
Volatiles @ 600 C, % w/w	50.53

Respectfully submitted,


R. M. Ferris, Director

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FLORISSANT, MO. 63033

ANALYTICAL-CHEMISTRY-RESEARCH-FIELD STUDIES

820868
PHONE

1-314-921-4488

ENVIRONMENTAL
ANALYSIS
INC.

Date: 3-3-82
Report No. 9160
Lab No. 178-34
P.O. No. EA-SO-2246-

Mr. Wayne Galler
OLIN CORPORATION
Brass Division
E & E Engineering
East Alton, IL 62024

REPORT OF ANALYSIS

Subject: Total metal analysis was performed in accordance with I.E.P.A. Appendix B for Total Trace Metal Content in Benthic Muds, Sludges, and other Metal Bearing Waste Materials; as prepared by Scott Miller, Stephen Muir, and Frank J. Schmidt.

Sample Identification:

#1 - T-242 Kill Sump Sludge, taken on 1-30-82.

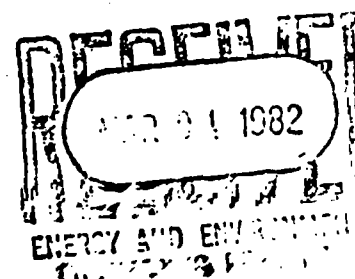
Results of Analysis:

	# 1 -----
Arsenic, ug As/g	3.5
Barium, ug Ba/g	7
Cadmium, ug Cd/g	0.6
Chromium (hex.), ug Cr/g	<2.5
Copper, ug Cu/g	7.5
Lead, ug Pb/g	655000
Mercury, ug Hg/g	19
Nickel, ug Ni/g	4.0
Selenium, ug Se/g	0.05
Silver, ug Ag/g	0.4

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820868

1100 N. LINDBERGH
FLORISSANT, MO. 63033

PHONE
1-314-921-4468

ENVIRONMENTAL
ANALYSIS
INC.

Results of Analysis:

	# 1

Zinc, ug Zn/g	34.1
Total Metals Prep.	1

Respectfully submitted,


R. M. Ferris, Director

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Illinois Environmental Protection Agency · 2200 Churchill Road, Springfield, IL 62706

217/782-6752

Refer to: 11902000002 -- Madison
East Alton/Olin Corporation

October 31, 1984

Olin Corporation
Shamrock Street
East Alton, Illinois 62024

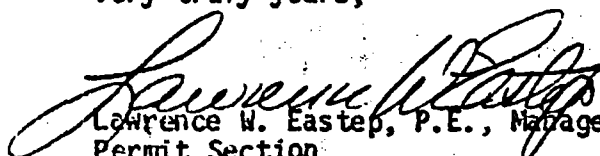
Attention: L.W. Maxson

Gentlemen:

~~Authorization is hereby granted to Olin Corporation to dispose of waste stream~~
#820868 (kill sump sludge) by landfill at Brighton Landfill #1 and #2. This authorization is based on the application submitted to the Agency in accordance with Sec. 709.301, and the compliance of the waste with Sec. 709.401 of the emergency regulations. In order to assure continual compliance, each and every container of the described waste must pass a paint filter test upon receipt at the indicated disposal facility.

This waste stream authorization will expire December 31st, 1986. However, pursuant to Sec. 709.601, the Agency has the authority to modify any waste stream authorization to make it consistent with newly adopted provisions of the Act or Board regulations.

Very truly yours,


Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:JV:sd/2199d/36

cc: Region
Generator File ✓
Brighton Landfill
Brighton Landfill File